Self-Organizing and Automatically Cross-Referencing Information Management System

Abstract:

This invention is a specific software and/or hardware Database (Database) design and algorithms to access information in this Database. The Database is a model of the reality. The most prevalent characteristic of the Database is its **self-organizing** of information contained in the Database. The Database content is dynamic and effectively **changing the Database itself**. Humans always use **words** and phrases to describe the reality. The sentences are build primarily with **nouns** and **verbs**. The meaning of what is said depends on the **context** in which words are used, then it is concentrated on a particular **view** of the things and finally the things have their names. Database uses these words to classify the information. It is intuitive, but if somebody prefers to use a different naming convention, the Database can be adjusted by customizing it. The Database includes automatic cross-referencing algorithms to relate categories and items of information. Main design views of the Database are presented here -- others, not presented here variations of main design are covered also by this invention. The look and feel of the computer programs which deal with user friendly spreadsheet presentation of the Database information and particularly Name and Context combo are described. Any computer system with means of implementing the invention is also described.

Keywords:

System Design and Learning, Database design, noun, verb, words, network model Database, self-organizing system, cross-referencing system, Database structure, learning, artificial intelligence, no redundancy, categorization, category, item, data, connection, spreadsheet interface for knowledge representation, Name and Context Combo.